

**WEST**[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)

Your wildcard search against 2000 terms has yielded the results below

Search for additional matches among the next 2000 terms

starting with: ENGINE\$(ENGINE-STROKE-DELAY).CLM.

**Search Results -**

Terms	Documents
((rank\$ or sort\$) and filter\$ and (search\$ near engine\$) and (quer\$ or retriev\$) and wire).clm.	0

Database:

- US Patents Full-Text Database
- US Pre-Grant Publication Full-Text Database
- JPO Abstracts Database
- EPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

Refine Search:

((rank\$ or sort\$) and filter\$ and  
(search\$ near engine\$) and (quer\$ or  
retriev\$) and wire).clm.

[Clear](#)**Search History**

Today's Date: 5/19/2001

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	((rank\$ or sort\$) and filter\$ and (search\$ near engine\$) and (quer\$ or retriev\$) and wire).clm.	0	<u>L4</u>
USPT	((rank\$ or sort\$) and filter\$ and (search\$ near engine\$) and (quer\$ or retriev\$) and wire).ab.	0	<u>L3</u>
USPT	((rank\$ or sort\$) and filter\$ and (search\$ near engine\$) and (quer\$ or retriev\$) and wire).ti.	0	<u>L2</u>
USPT	(rank\$ or sort\$) and filter\$ and (search\$ near engine\$) and (quer\$ or retriev\$) and wire	56	<u>L1</u>

**WEST**

Your wildcard search against 2000 terms has yielded the results below

Search for additional matches among the next 2000 terms

Generate Collection

Search Results - Record(s) 1 through 10 of 56 returned.

☐ 1. Document ID: US 6229810 B1

L1: Entry 1 of 56

File: USPT

May 8, 2001

US-PAT-NO: 6229810

DOCUMENT-IDENTIFIER: US 6229810 B1

TITLE: Network server platform for a hybrid fiber twisted pair local loop network service architecture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6202060 B1

L1: Entry 2 of 56

File: USPT

Mar 13, 2001

US-PAT-NO: 6202060

DOCUMENT-IDENTIFIER: US 6202060 B1

TITLE: Data management system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 6199099 B1

L1: Entry 3 of 56

File: USPT

Mar 6, 2001

US-PAT-NO: 6199099

DOCUMENT-IDENTIFIER: US 6199099 B1

TITLE: System, method and article of manufacture for a mobile communication network utilizing a distributed communication network

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6167393 A

L1: Entry 4 of 56

File: USPT

Dec 26, 2000

US-PAT-NO: 6167393  
DOCUMENT-IDENTIFIER: US 6167393 A  
TITLE: Heterogeneous record search apparatus and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6166729 A

L1: Entry 5 of 56

File: USPT

Dec 26, 2000

US-PAT-NO: 6166729  
DOCUMENT-IDENTIFIER: US 6166729 A  
TITLE: Remote digital image viewing system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6157935 A

L1: Entry 6 of 56

File: USPT

Dec 5, 2000

US-PAT-NO: 6157935  
DOCUMENT-IDENTIFIER: US 6157935 A  
TITLE: Remote data access and management system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: US 6151624 A

L1: Entry 7 of 56

File: USPT

Nov 21, 2000

US-PAT-NO: 6151624  
DOCUMENT-IDENTIFIER: US 6151624 A  
TITLE: Navigating network resources based on metadata

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 8. Document ID: US 6148289 A

L1: Entry 8 of 56

File: USPT

Nov 14, 2000

US-PAT-NO: 6148289  
DOCUMENT-IDENTIFIER: US 6148289 A  
TITLE: System and method for geographically organizing and classifying businesses on the world-wide web

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 9. Document ID: US 6125388 A

L1: Entry 9 of 56

File: USPT

Sep 26, 2000

US-PAT-NO: 6125388

DOCUMENT-IDENTIFIER: US 6125388 A

TITLE: System for transporting information objects between a user station and multiple remote sources based upon user modifiable object manifest stored in the user station

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 10. Document ID: US 6100890 A

L1: Entry 10 of 56

File: USPT

Aug 8, 2000

US-PAT-NO: 6100890

DOCUMENT-IDENTIFIER: US 6100890 A

TITLE: Automatic bookmarks

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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**Generate Collection**

Terms	Documents
(rank\$ or sort\$) and filter\$ and (search\$ near engine\$) and (quer\$ or retriev\$) and wire	56

**Display****10**

Documents, starting with Document:

**11****Display Format:** **TI****Change Format**

**WEST**

Your wildcard search against 2000 terms has yielded the results below

Search for additional matches among the next 2000 terms

Generate Collection

Search Results - Record(s) 11 through 20 of 56 returned.

☐ 11. Document ID: US 6094654 A

L1: Entry 11 of 56

File: USPT

Jul 25, 2000

US-PAT-NO: 6094654

DOCUMENT-IDENTIFIER: US 6094654 A

TITLE: Data management system for file and database management

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 12. Document ID: US 6088693 A

L1: Entry 12 of 56

File: USPT

Jul 11, 2000

US-PAT-NO: 6088693

DOCUMENT-IDENTIFIER: US 6088693 A

TITLE: Data management system for file and database management

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 13. Document ID: US 6081814 A

L1: Entry 13 of 56

File: USPT

Jun 27, 2000

US-PAT-NO: 6081814

DOCUMENT-IDENTIFIER: US 6081814 A

TITLE: Document reference environment manager

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 14. Document ID: US 6067552 A

L1: Entry 14 of 56

File: USPT

May 23, 2000

US-PAT-NO: 6067552

DOCUMENT-IDENTIFIER: US 6067552 A

TITLE: User interface system and method for browsing a hypertext database

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMOC	Draw Desc	Image
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☐ 15. Document ID: US 6052439 A

L1: Entry 15 of 56

File: USPT

Apr 18, 2000

US-PAT-NO: 6052439

DOCUMENT-IDENTIFIER: US 6052439 A

TITLE: Network server platform telephone directory white-yellow page services

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMOC	Draw Desc	Image
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☐ 16. Document ID: US 6049799 A

L1: Entry 16 of 56

File: USPT

Apr 11, 2000

US-PAT-NO: 6049799

DOCUMENT-IDENTIFIER: US 6049799 A

TITLE: Document link management using directory services

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMOC	Draw Desc	Image
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☐ 17. Document ID: US 6044403 A

L1: Entry 17 of 56

File: USPT

Mar 28, 2000

US-PAT-NO: 6044403

DOCUMENT-IDENTIFIER: US 6044403 A

TITLE: Network server platform for internet, JAVA server and video application server

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMOC	Draw Desc	Image
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☐ 18. Document ID: US 6035297 A

L1: Entry 18 of 56

File: USPT

Mar 7, 2000

US-PAT-NO: 6035297

DOCUMENT-IDENTIFIER: US 6035297 A

TITLE: Data management system for concurrent engineering

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMOC	Draw Desc	Image
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☐ 19. Document ID: US 6029161 A

L1: Entry 19 of 56

File: USPT

Feb 22, 2000

US-PAT-NO: 6029161  
DOCUMENT-IDENTIFIER: US 6029161 A  
TITLE: Multi-level mindpool system especially adapted to provide  
collaborative filter data for a large scale information filtering system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 20. Document ID: US 6029195 A

L1: Entry 20 of 56

File: USPT

Feb 22, 2000

US-PAT-NO: 6029195  
DOCUMENT-IDENTIFIER: US 6029195 A  
TITLE: System for customized electronic identification of desirable objects

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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Generate Collection

Terms	Documents
(rank\$ or sort\$) and filter\$ and (search\$ near engine\$) and (quer\$ or retriev\$) and wire	56

Display

10

Documents, starting with Document:

21

Display Format:

TI

Change Format

**WEST**

Your wildcard search against 2000 terms has yielded the results below

Search for additional matches among the next 2000 terms

Generate Collection

Search Results - Record(s) 21 through 30 of 56 returned.

☐ 21. Document ID: US 6014662 A

L1: Entry 21 of 56

File: USPT

Jan 11, 2000

US-PAT-NO: 6014662

DOCUMENT-IDENTIFIER: US 6014662 A

TITLE: Configurable briefing presentations of search results on a graphical interface

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 22. Document ID: US 6009442 A

L1: Entry 22 of 56

File: USPT

Dec 28, 1999

US-PAT-NO: 6009442

DOCUMENT-IDENTIFIER: US 6009442 A

TITLE: Computer-based document management system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 23. Document ID: US 5991751 A

L1: Entry 23 of 56

File: USPT

Nov 23, 1999

US-PAT-NO: 5991751

DOCUMENT-IDENTIFIER: US 5991751 A

TITLE: System, method, and computer program product for patent-centric and group-oriented data processing

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 24. Document ID: US 5987474 A

L1: Entry 24 of 56

File: USPT

Nov 16, 1999



US-PAT-NO: 5987474  
DOCUMENT-IDENTIFIER: US 5987474 A  
TITLE: Computer aided maintenance and repair information system for equipment  
subject to regulatory compliance

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Draw Desc	Image
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☐ 25. Document ID: US 5980096 A

L1: Entry 25 of 56

File: USPT

Nov 9, 1999

US-PAT-NO: 5980096  
DOCUMENT-IDENTIFIER: US 5980096 A  
TITLE: Computer-based system, methods and graphical interface for information  
storage, modeling and stimulation of complex systems

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Draw Desc	Image
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☐ 26. Document ID: US 5982891 A

L1: Entry 26 of 56

File: USPT

Nov 9, 1999

US-PAT-NO: 5982891  
DOCUMENT-IDENTIFIER: US 5982891 A  
TITLE: Systems and methods for secure transaction management and electronic  
rights protection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Draw Desc	Image
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☐ 27. Document ID: US 5983214 A

L1: Entry 27 of 56

File: USPT

Nov 9, 1999

US-PAT-NO: 5983214  
DOCUMENT-IDENTIFIER: US 5983214 A  
TITLE: System and method employing individual user content-based data and  
user collaborative feedback data to evaluate the content of an information  
entity in a large information communication network

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Draw Desc	Image
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☐ 28. Document ID: US 5974413 A

L1: Entry 28 of 56

File: USPT

Oct 26, 1999

US-PAT-NO: 5974413  
DOCUMENT-IDENTIFIER: US 5974413 A  
TITLE: Semantic user interface

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 29. Document ID: US 5966126 A

L1: Entry 29 of 56

File: USPT

Oct 12, 1999

US-PAT-NO: 5966126

DOCUMENT-IDENTIFIER: US 5966126 A

TITLE: Graphic user interface for database system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 30. Document ID: US 5953732 A

L1: Entry 30 of 56

File: USPT

Sep 14, 1999

US-PAT-NO: 5953732

DOCUMENT-IDENTIFIER: US 5953732 A

TITLE: Hypertext information retrieval using profiles and topics

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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**Generate Collection**

Terms	Documents
(rank\$ or sort\$) and filter\$ and (search\$ near engine\$) and (quer\$ or retriev\$) and wire	56

**Display**

10

Documents, starting with Document:

31

**Display Format:**

TI

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**WEST**

Your wildcard search against 2000 terms has yielded the results below

Search for additional matches among the next 2000 terms

Generate Collection

Search Results - Record(s) 31 through 40 of 56 returned.

☐ 31. Document ID: US 5949876 A

L1: Entry 31 of 56

File: USPT

Sep 7, 1999

US-PAT-NO: 5949876

DOCUMENT-IDENTIFIER: US 5949876 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 32. Document ID: US 5950201 A

L1: Entry 32 of 56

File: USPT

Sep 7, 1999

US-PAT-NO: 5950201

DOCUMENT-IDENTIFIER: US 5950201 A

TITLE: Computerized design automation method using a single logical PFVL paradigm

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 33. Document ID: US 5940843 A

L1: Entry 33 of 56

File: USPT

Aug 17, 1999

US-PAT-NO: 5940843

DOCUMENT-IDENTIFIER: US 5940843 A

TITLE: Information delivery system and method including restriction processing

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 34. Document ID: US 5937422 A

L1: Entry 34 of 56

File: USPT

Aug 10, 1999

US-PAT-NO: 5937422  
DOCUMENT-IDENTIFIER: US 5937422 A  
TITLE: Automatically generating a topic description for text and searching  
and sorting text by topic using the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 35. Document ID: US 5920873 A

L1: Entry 35 of 56

File: USPT

Jul 6, 1999

US-PAT-NO: 5920873  
DOCUMENT-IDENTIFIER: US 5920873 A  
TITLE: Data management control system for file and database

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 36. Document ID: US 5920867 A

L1: Entry 36 of 56

File: USPT

Jul 6, 1999

US-PAT-NO: 5920867  
DOCUMENT-IDENTIFIER: US 5920867 A  
TITLE: Data management system having data management configuration

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 37. Document ID: US 5917912 A

L1: Entry 37 of 56

File: USPT

Jun 29, 1999

US-PAT-NO: 5917912  
DOCUMENT-IDENTIFIER: US 5917912 A  
TITLE: System and methods for secure transaction management and electronic  
rights protection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 38. Document ID: US 5915019 A

L1: Entry 38 of 56

File: USPT

Jun 22, 1999

US-PAT-NO: 5915019  
DOCUMENT-IDENTIFIER: US 5915019 A  
TITLE: Systems and methods for secure transaction management and electronic  
rights protection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 39. Document ID: US 5910987 A

L1: Entry 39 of 56

File: USPT

Jun 8, 1999

US-PAT-NO: 5910987

DOCUMENT-IDENTIFIER: US 5910987 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMOC	Draw Desc	Image
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☐ 40. Document ID: US 5909686 A

L1: Entry 40 of 56

File: USPT

Jun 1, 1999

US-PAT-NO: 5909686

DOCUMENT-IDENTIFIER: US 5909686 A

TITLE: Hardware-assisted central processing unit access to a forwarding database

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMOC	Draw Desc	Image
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[Generate Collection](#)

Terms	Documents
(rank\$ or sort\$) and filter\$ and (search\$ near engine\$) and (quer\$ or retriev\$) and wire	56

[Display](#)

10

Documents, starting with Document:

41

Display Format:

TI

[Change Format](#)

**WEST**

Your wildcard search against 2000 terms has yielded the results below

Search for additional matches among the next 2000 terms

Generate Collection

Search Results - Record(s) 41 through 50 of 56 returned.

☐ 41. Document ID: US 5892900 A

L1: Entry 41 of 56

File: USPT

Apr 6, 1999

US-PAT-NO: 5892900

DOCUMENT-IDENTIFIER: US 5892900 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Draw Desc	Image
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☐ 42. Document ID: US 5884304 A

L1: Entry 42 of 56

File: USPT

Mar 16, 1999

US-PAT-NO: 5884304

DOCUMENT-IDENTIFIER: US 5884304 A

TITLE: Alternate key index query apparatus and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Draw Desc	Image
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☐ 43. Document ID: US 5881131 A

L1: Entry 43 of 56

File: USPT

Mar 9, 1999

US-PAT-NO: 5881131

DOCUMENT-IDENTIFIER: US 5881131 A

TITLE: Analysis and validation system for provisioning network related facilities

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Draw Desc	Image
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☐ 44. Document ID: US 5878408 A

L1: Entry 44 of 56

File: USPT

Mar 2, 1999

US-PAT-NO: 5878408  
DOCUMENT-IDENTIFIER: US 5878408 A  
TITLE: Data management system and process

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 45. Document ID: US 5873079 A

L1: Entry 45 of 56

File: USPT

Feb 16, 1999

US-PAT-NO: 5873079  
DOCUMENT-IDENTIFIER: US 5873079 A  
TITLE: Filtered index apparatus and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 46. Document ID: US 5870739 A

L1: Entry 46 of 56

File: USPT

Feb 9, 1999

US-PAT-NO: 5870739  
DOCUMENT-IDENTIFIER: US 5870739 A  
TITLE: Hybrid query apparatus and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 47. Document ID: US 5864875 A

L1: Entry 47 of 56

File: USPT

Jan 26, 1999

US-PAT-NO: 5864875  
DOCUMENT-IDENTIFIER: US 5864875 A  
TITLE: Data management system for problems, releases and parts

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 48. Document ID: US 5864871 A

L1: Entry 48 of 56

File: USPT

Jan 26, 1999

US-PAT-NO: 5864871  
DOCUMENT-IDENTIFIER: US 5864871 A  
TITLE: Information delivery system and method including on-line entitlements

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 49. Document ID: US 5826265 A

L1: Entry 49 of 56

File: USPT

Oct 20, 1998

US-PAT-NO: 5826265

DOCUMENT-IDENTIFIER: US 5826265 A

TITLE: Data management system having shared libraries

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 50. Document ID: US 5812130 A

L1: Entry 50 of 56

File: USPT

Sep 22, 1998

US-PAT-NO: 5812130

DOCUMENT-IDENTIFIER: US 5812130 A

TITLE: Data management system and method for concurrent engineering

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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[Generate Collection](#)

Terms	Documents
(rank\$ or sort\$) and filter\$ and (search\$ near engine\$) and (quer\$ or retriev\$) and wire	56

[Display](#)

Documents, starting with Document:

**Display Format:**[Change Format](#)



**WEST**

Your wildcard search against 2000 terms has yielded the results below

Search for additional matches among the next 2000 terms

Generate Collection

Search Results - Record(s) 51 through 56 of 56 returned.

☐ 51. Document ID: US 5802518 A

L1: Entry 51 of 56

File: USPT

Sep 1, 1998

US-PAT-NO: 5802518

DOCUMENT-IDENTIFIER: US 5802518 A

TITLE: Information delivery system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Draw Desc	Image
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☐ 52. Document ID: US 5784608 A

L1: Entry 52 of 56

File: USPT

Jul 21, 1998

US-PAT-NO: 5784608

DOCUMENT-IDENTIFIER: US 5784608 A

TITLE: Hypertext information retrieval using profiles and topics

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Draw Desc	Image
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☐ 53. Document ID: US 5778381 A

L1: Entry 53 of 56

File: USPT

Jul 7, 1998

US-PAT-NO: 5778381

DOCUMENT-IDENTIFIER: US 5778381 A

TITLE: Computer aided maintenance and repair information system for equipment  
subject to regulatory compliance

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Draw Desc	Image
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☐ 54. Document ID: US 5546390 A

L1: Entry 54 of 56

File: USPT

Aug 13, 1996

US-PAT-NO: 5546390

DOCUMENT-IDENTIFIER: US 5546390 A

TITLE: Method and apparatus for radix decision packet processing

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 55. Document ID: US 5530852 A

L1: Entry 55 of 56

File: USPT

Jun 25, 1996

US-PAT-NO: 5530852

DOCUMENT-IDENTIFIER: US 5530852 A

TITLE: Method for extracting profiles and topics from a first file written in a first markup language and generating files in different markup languages containing the profiles and topics for use in accessing data described by the profiles and topics

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 56. Document ID: US 5274559 A

L1: Entry 56 of 56

File: USPT

Dec 28, 1993

US-PAT-NO: 5274559

DOCUMENT-IDENTIFIER: US 5274559 A

TITLE: Method for predicting a future value of measurement data and for controlling engine fuel injection based thereon

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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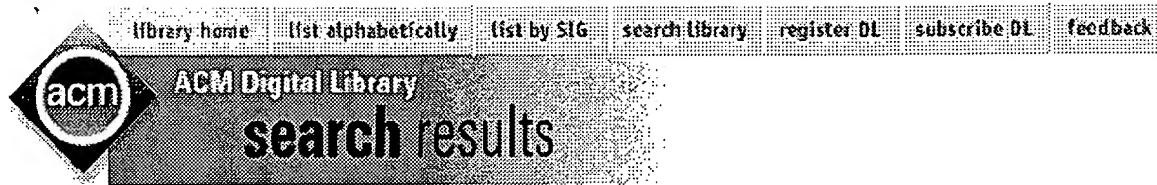
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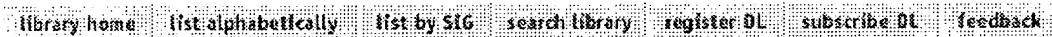
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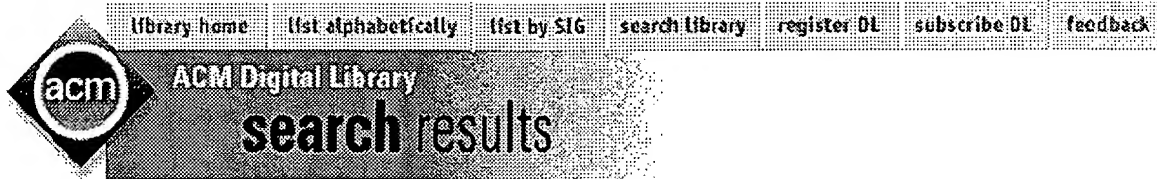
*conference on on Computer supported  
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computing systems*, 1995, Pages 51 - 58  
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information retrieval](#); Jody J. Daniels and  
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PER			<b><u>Gene Alert-a sequence search results keyword parser</u></b> Huang, H.; Garner, H.R. IEEE Engineering in Medicine and Biology Magazine Volume: 17 2 , March-April 1998 , Page(s): 119 -122

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## WIRE-a WWW-based information retrieval and extraction system

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### Abstract:

Locating and retrieving specific data from the World Wide Web (WWW) is an important problem. Existing search engines often return too much useless data and are generally incapable of automatically extracting specific information such as names and email addresses. We describe WIRE, a WWW-based information retrieval and extraction system whose goal is to accurately retrieve and organize specific information from the World Wide Web. WIRE employs several innovative techniques. First, queries of WIRE are tree structured. This not only provides an order in which Web pages are to be searched/retrieved but also provides a context for more accurate retrieval. Second, WIRE employs a library of search templates based on the structure of HTML files to extract specific information. These templates can be complemented by user-provided search examples and patterns for better results. Third, WIRE has a filter mechanism to filter out undesired information to further improve retrieval accuracy.

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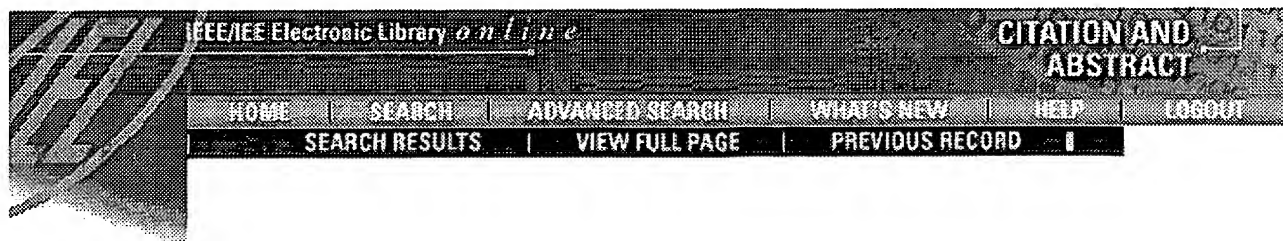
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Internet; WIRE; information extraction system; information retrieval system; World Wide Web; search engines; email; tree structured queries; Web pages; search templates; HTML files; user-provided search examples; information filtering

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## Gene Alert-a sequence search results keyword parser

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on Pages: 119 - 122

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### Abstract:

Similarity searching is an important tool to many biological scientists. Various computer implementations (BLAST, FASTA, Smith-Waterman) are used by scientists to analyze their sequences of interest to identify identities (perfect matches) or similarities (statistically significant matches) between their query sequences and large databases such as GenBank. Search engines currently return brief annotations and alignments ranked in order of statistical significance or raw similarity score. However, it is frequently not the top-scoring similarities that bring important new information to the investigating scientist, but the content of the annotation or similarity "hits" at any significant score. The Gene Alert algorithm applies additional filtering and a user weighted keyword search to the BLAST output to parse the output into a form customized to the user. There are three components to the Gene Alert implementation as it is currently operating: an organized file structure, a BLAST engine, and a parser written in the PERL scripting language. The file structure was designed to place code and database components in logical positions and to facilitate future complete automation of the Gene Alert and similarity search system. Shown here is the file structure within the UNIX environment.

---

**Subject Terms:**

genetics; sequence search results keyword parser; Gene Alert; BLAST;  
organized file structure; PERL scripting language; database components;  
similarity search system; UNIX environment; logical positions; significant  
score; annotation; similarity score

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## Ontology based personalized search

- Pretschner, A.; Gauch, S.

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### Abstract:

With the exponentially growing amount of information available on the Internet, the task of retrieving documents of interest has become increasingly difficult. Search engines usually return more than 1,500 results per query, yet out of the top twenty results, only one half turn out to be relevant to the user. One reason for this is that Web queries are in general very short and give an incomplete specification of individual users' information needs. This paper explores ways of incorporating users' interests into the search process to improve the results. The user profiles are structured as a concept hierarchy of 4,400 nodes. These are populated by 'watching over a user's shoulder' while he is surfing. No explicit feedback is necessary. The profiles are shown to converge and to reflect the actual interests quite well. One possible deployment of the profiles is investigated: re-ranking and filtering search results. Increases in performance are moderate but noticeable and show that fully automatic creation of large hierarchical user profiles is possible.

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### Subject Terms:

information needs; Internet; Web queries; users' information needs; search process; search results; retrieving documents; ontology based; personalized search; user profiles

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